

From: Ralph Ludwig/ADA/USEPA/US
Sent: 12/29/2011 11:42:53 AM
To: Sgraves@TechLawInc.com
CC: Richard Rupert/R3/USEPA/US
Subject: Re: Dimock - Field Screening and Filtering of Water Samples

Suddha,

We normally filter in-line in the field with a high capacity 0.45 um filter for filtered samples and conduct our turbidity, sulfide, alkalinity, and ferrous iron measurements on location within a few minutes of collection. However, if that is not possible for one reason or another, then you should note in your field book the time lag between collection and filtration/analysis. I would suggest that samples you bring back to the trailer be collected in bottles with no headspace and put on ice to minimize loss of sulfide and oxidation of ferrous iron (if present) until analysis.

Ralph

Ralph D. Ludwig, Ph.D.
U.S. EPA
National Risk Management Research Laboratory
Ground Water and Ecosystem Restoration Division
919 Kerr Research Dr.
P.O. Box 1198
Ada, OK 74820

Phone: 580-436-8603 Fax: 580-436-8614

From: "Graves, Suddha" <Sgraves@TechLawInc.com>
To: Ralph Ludwig/ADA/USEPA/US@EPA
Cc: Richard Rupert/R3/USEPA/US
Date: 12/29/2011 10:17 AM
Subject: Dimock - Field Screening and Filtering of Water Samples

Dr. Ludwig,

We were discussing the options of filtering for metals and the field screening (turbidity, sulfides, alkalinity, ferrous iron) in the field at the time when samples are collected or bringing them back to the sample management trailer and doing it there. We didn't know if there was any issue with the lag time it will take to get the samples back to the sample management trailer and have the samples filtered and screened. I would imagine it would take an hour or two to get the sample back to the trailer and filtered and screened. Do you have any thoughts or concerns on this?

Thanks,

Suddha Graves
TechLaw, Inc.
2208 Warwood Ave
Wheeling, WV 26003
304-230-1230 (office)
304-830-1441 (cell)
304-232-5006 (fax)